BRUHAT BANAGLORE MAHANAGARA PALIKE

Yelahanka Division

Name of work:-Improvements and asphalting to balance roads at Escort Layout and Santhoshnagara in ward no-03.

Estimated cost RS:-50.00 Lakh.s

Sl. No.	Description of item.s	Unit	Nos	Dimension L	Dimension B	Dimension D	Quantity	Rate	Amount
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3).								
	(Page No 25., I.No.5.33 of KPWD S.R 2016-17)								
		Sqm							
	Basic rate	*76.00*							
	Area Wieght age @ 6%	*4.56*							
	Total Rate in Rs	*80.56*							
	Vidyanikethan school Back side road		2	222.00	1.35		599.40		
	1st cross santhosh nagara,CC slabs		2	150.00	0.90		270.00		
	Indira priyadarshini Law college side cross road		2	110.00	1.35		297.00		
	Thirumalanagara 5th cross Balance road		1	120.00	1.35		162.00		
							1328.40		
	Deduction for damaged and open 35%						-464.94		
							863.46	**80.56**	**69560.34**
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3								
	(Page No142., I.No.19.1 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*82.00*							
	Area Wieght age @ 6%	*4.92*							
	Total Rate in Rs	*86.92*							
	Desilting								
	Vidyanikethan school Back side road		2	222.00	0.45	0.45	89.91		
	1st cross.Santhosh nagara		2	170.00	0.45	0.40	61.20		
	Indira priyadarshini Law college side cross road		2	110.00	0.45	0.45	44.55		
	Thirumalanagara 5th cross Balance road		1	120.00	0.45	0.40	21.60		
	Berm cutting		2	222.00	0.80	0.20	71.04		
			2	170.00	0.70	0.25	59.50		
			2	110.00	0.60	0.20	26.40		
			1	120.00	0.65	0.15	11.70		
							385.90	**86.92**	**33542.43**
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick								
	Data rate								
		Sqm							
	Total Rate in Rs	*779.00*							
	Area Wieght age @ 6%	*46.74*							
	Total Rate in Rs	*825.74*							
	for damaged drain						464.94		
	CC slabs					(-)	94.50		
							370.44	**825.74**	**305887.13**
4	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).								

Sl. No.	Description of item,s	Unit	Nos	Dimension			Quantity	Rate	Amount
				L	B	D			
	CC slabs(35% OF MISSING SLABS)						94.50		
							94.50	**2100.00**	**198450.00**
5	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301								
	(Page No 143., I.No.19.14 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*46.00*							
	Area Wieght age @ 6%	*2.76*							
	Total Rate in Rs	*48.76*							
	Vidyanikethan school Back side road								
	Vidyanikethan school Back side road		1	222.00	5.50	0.40	488.40		
	1st cross santhosh nagara,		1	170.00	5.50	0.30	280.50		
	Indira priyadarshini Law college side cross road		1	110.00	6.00	0.35	231.00		
	Thirumalanagara 5th cross Balance road		1	120.00	6.00	0.30	216.00		
							1215.90	**48.76**	**59287.28**
6	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material								
	(Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*1571.00*							
	Area Wieght age @ 6%	*94.26*							
	Total Rate in Rs	*1665.26*							
	Vidyanikethan school Back side road		1	222.00	5.50	0.15	183.15		
	1st cross santhosh nagara,		1	170.00	5.50	0.15	140.25		
	Indira priyadarshini Law college side cross road		1	110.00	6.00	0.15	99.00		
	Thirumalanagara 5th cross Balance road		1	120.00	6.00	0.15	108.00		
							530.40	**1665.26**	**883253.90**
7	KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
	(Page No 158., I.No.20.18 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*1668.00*							
	Area Wieght age @ 6%	*100.08*							
	Total Rate in Rs	*1768.08*							
	Vidyanikethan school Back side road		1	222.00	5.50	0.20	244.20		
	1st cross santhosh nagara,		1	170.00	5.50	0.20	187.00		
	Indira priyadarshini Law college side		1	110.00	6.00	0.20	132.00		
	Thirumalanagara 5th cross Balance road		1	120.00	6.00	0.15	108.00		
							671.20	**1768.08**	**1186735.30**

Sl. No.	Description of item,s	Unit	Nos	Dimension			Quantity	Rate	Amount
				L	B	D			
8	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications, MORTH Specification No. 502								
	(Page No 161., I.No.21.6 of KPWD S.R 2016-17).								
		Sqm							
	Basic rate	*26.00*							
	Area Wieght age @ 6%	*1.56*							
	Total Rate in Rs	*27.56*							
	Vidyanikethan school Back side road		1	222.00	5.50		1221.00		
	1st cross santhosh nagara,		1	170.00	5.50		935.00		
	Indira privadarshini Law college side		1	110.00	6.00		660.00		
	Thirumalanagara 5th cross Balance road		1	120.00	6.00		720.00		
							3536.00	**27.56**	97452.16
9	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications, MORTH/Chapter 5								
	(Page No 161., I.No.21.7 of KPWD S.R 2016-17).								
	Basic rate	*11.00*							
	Area Wieght age @ 6%	*0.66*							
	Total Rate in Rs	*11.66*							
	Vidyanikethan school Back side road		1	222.00	5.50		1221.00		
	1st cross santhosh nagara,		1	170.00	5.50		935.00		
	Indira privadarshini Law college side		1	110.00	6.00		660.00		
	Thirumalanagara 5th cross Balance road		1	120.00	6.00		720.00		
							3536.00	**11.66**	41229.76
10	KSRRB M500- 17. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and filler, transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500-10 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507								
	(Page No 163., I.No.21.17.6 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*6071.00*							
	Area Wieght age @ 6%	*364.26*							
	Total Rate in Rs	*6435.26*							
	Vidyanikethan school Back side road		1	222.00	5.50	0.05	61.05		
	1st cross santhosh nagara,		1	170.00	5.50	0.05	46.75		
	Indira priyadarshini Law college side cross road		1	110.00	6.00	0.05	33.00		
	Thirumalanagara 5th cross Balance road		1	120.00	6.00	0.05	36.00		
							176.80	**6435.26**	1137753.97
11	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509								
	(Page No 165., I.No.21.22.6 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*6859.00*							

Sl. No.	Description of items	Unit	Nos	Dimension L	B	D	Quantity	Rate	Amount
	Area Wieght age @ 6%	*411.54*							
	Total Rate in Rs	*7270.54*							
	Vidyanikethan school Back side road		1	222.00	5.50	0.03	36.63		
	1st cross santhosh nagara,		1	170.00	5.50	0.03	28.05		
	Indira priyadarshini Law college side		1	110.00	6.00	0.03	19.80		
	Thirumalanagara 5th cross Balance road		1	120.00	6.00	0.03	21.60		
							106.08	**7270.54**	**771258.88**
12	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 7kms.								
	(Refer Table. Page No.140)								
		Cum.							
	Basic rate	*90.40*							
	Total Rate in Rs	*90.40*							
				For item no	2		385.90		
				For item no	5		1215.90		
							1601.80	**90.40**	**144802.72**
13	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803								
	(Page No 185, I.No.24.15 of KPWD S.R 2016-17).								
		Sqm							
	Basic rate	512.00							
	Area Wieght age @ 6%	*30.72*							
	Total Rate in Rs	*542.72*							
	Road Marking								
	Vidyanikethan school Back side road		2	222.00	0.10		44.40		
	1st cross santhosh nagara,		2	170.00	0.10		34.00		
	Indira priyadarshini Law college side cross road		2	110.00	0.10		22.00		
	Thirumalanagara 5th cross Balance road		2	120.00	0.10		24.00		
							124.40	**542.72**	67514.37
13	Misellenous and other charges								3271.77
							Grand Total RS		5000000.00
	(Rupees Fifty Lakhs only)								

Certificate:-

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 03

Executive Engineer
Yelahanka Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 50,00,000/- (Rupees fifty lakhs only)

Assistant Executive Engineer
Yelahanka New town Sub Division

Under Job number - 003-17-000071

Registered at SSR No. ....9.....
Subject to conditions contained in
enclosed note SSR No. .....

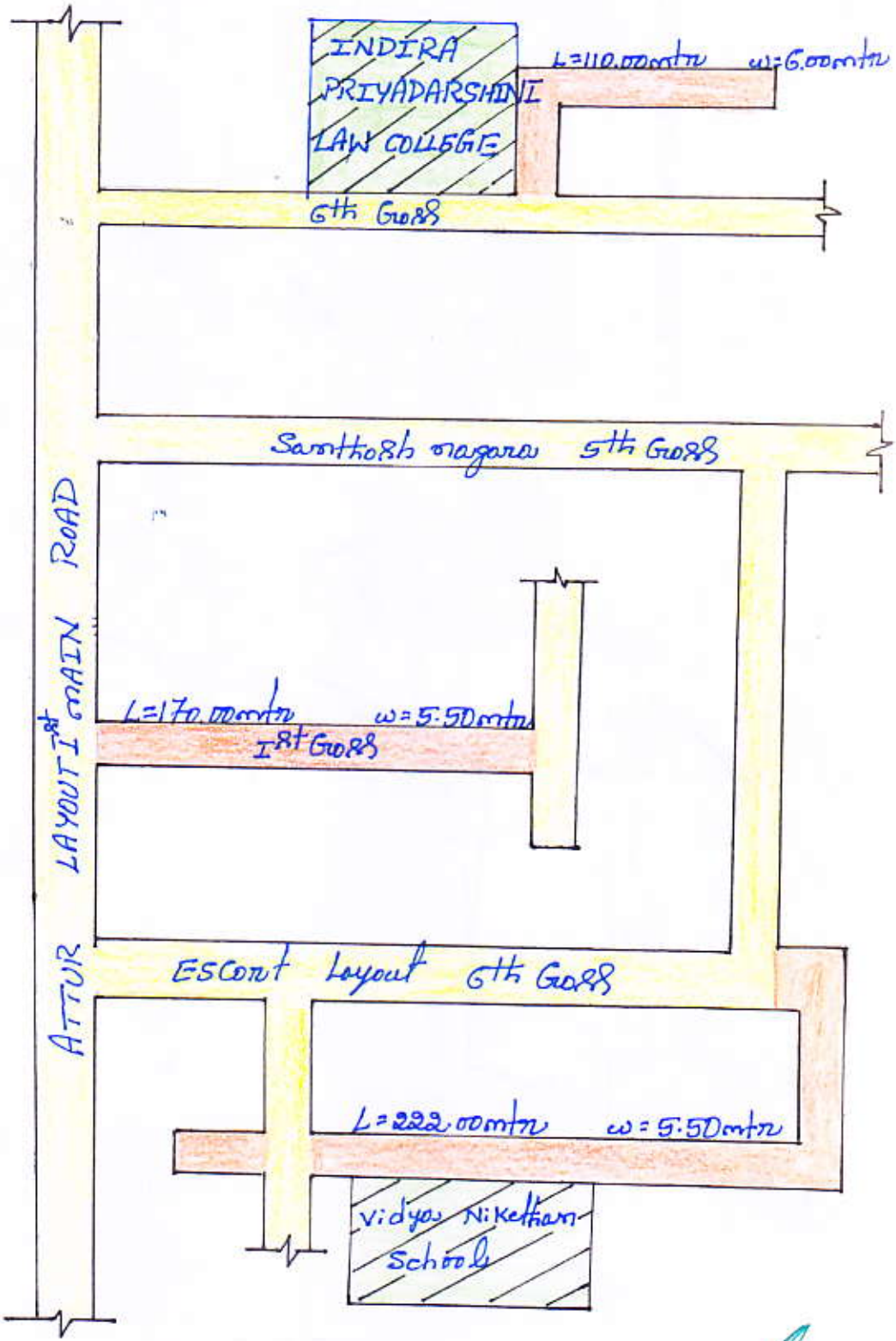
Dt. Completed/Sanctioned
I.C(4)/dated 39/2007-8
dated 24-5-2017 50.00 lakhs

Technical Sanction
Accorded For 50.00 LKHS
Head of A/C P.3172
CER NO :.....191..... Dt:..27/09/17

TA to CE (YNK)

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

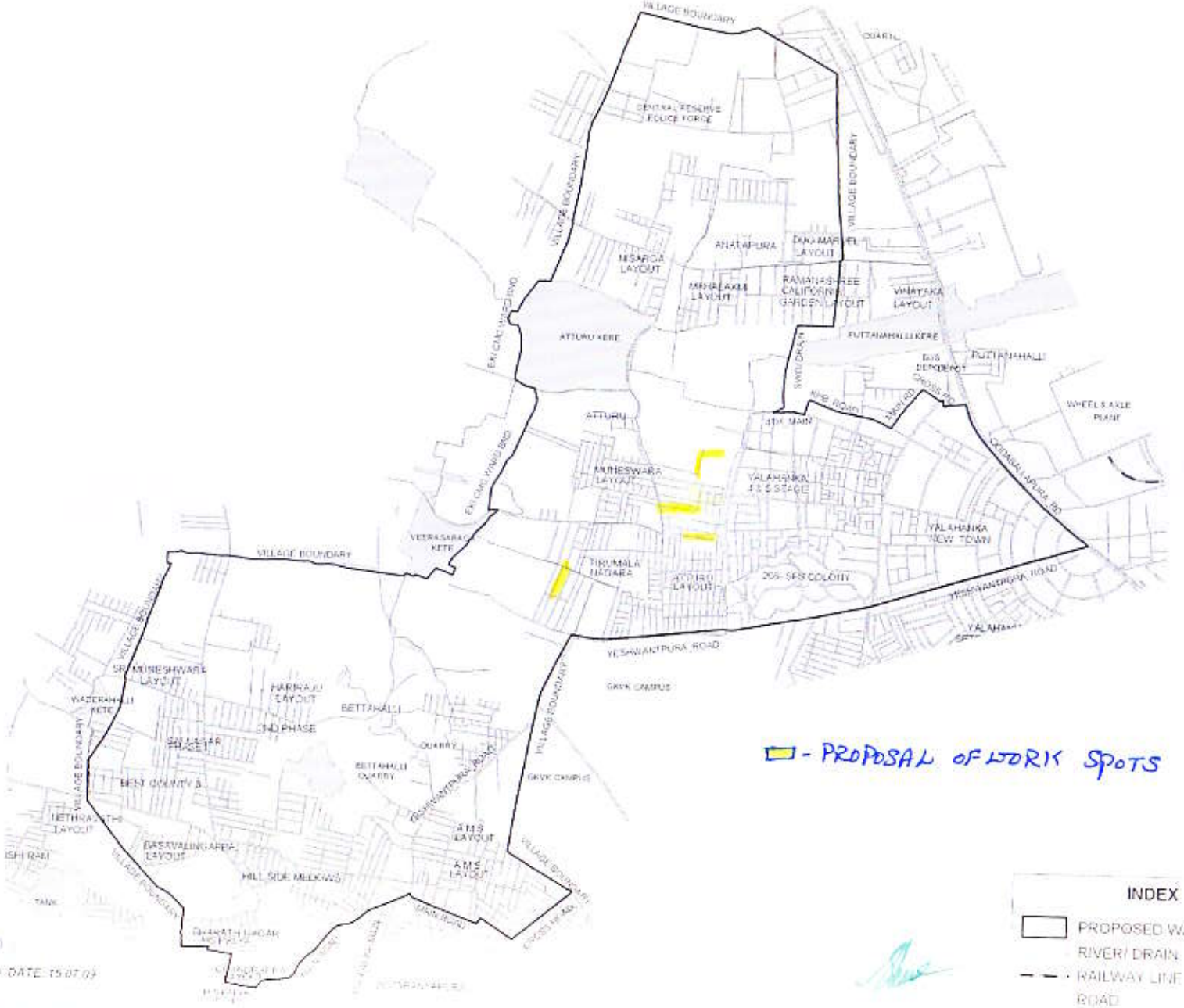
Name of work:- Improvements and asphalting to balance roads at ESCort Layout & Santhoshnagara in ward No-03.



AE 03

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 3- ATTURU

150 - YELAHANKA AC



□ - PROPOSAL OF WORK SPOTS

NOTIFICATION NO: UDD 59 MLR 2009 DATE: 15.07.09